

Glycine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names:

N,O-Bis(dimethyl-t-butylsilyl)-l-glycine

Glycine diTBDMS

Glycine, N,O-bis-TBDMS

Gly, O,N-bis-DMTBS

Gly, bis-TBDMS

Gly, TBDMS

Glycine, TBDMS

Glycine, 2tbdms derivative

Inchi: InChI=1S/C14H33NO2Si2/c1-13(2,3)18(7,8)15-11-12(16)17-19(9,10)14(4,5)6/h15H,11H2

InchiKey: KWGCEVDISSEKES-UHFFFAOYSA-N

Formula: C14H33NO2Si2

SMILES: CC(C)(C)[Si](C)(C)NCC(=O)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 303.59

CAS: 107715-88-8

Physical Properties

Property code	Value	Unit	Source
log10ws	0.16		Crippen Method
logp	4.130		Crippen Method
rinpol	1562.00		NIST Webbook
rinpol	1562.00		NIST Webbook
rinpol	1548.60		NIST Webbook
rinpol	1551.00		NIST Webbook
rinpol	1553.00		NIST Webbook
rinpol	1553.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715888&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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